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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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277 PARK AV		NGUYEN, KIMNHUNG T		
20th Floor NEW YORK, NY 10172			ART UNIT	PAPER NUMBER
			2629	
			NOTIFICATION DATE	DELIVERY MODE
			05/18/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	
	10/550,240	NYHOLM, KUSTAA	
Office Action Summary	Examiner	Art Unit	
	KIMNHUNG NGUYEN	2629	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tird d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 20 √ This action is FINAL . 2b) This 3) Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 1-9 and 11 is/are pending in the app 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-6,8,9 and 11 is/are rejected. 7) Claim(s) 7 is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers 9) The specification is objected to by the Examin	awn from consideration. For election requirement.		
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the defended or b) for objected to by the defended or by the drawing(s) is objection is required if the drawing(s) is objection is	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D: 5) Notice of Informal F 6) Other:	ate	

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/20/10 has been entered.
- 2. This application has been examined. The claims 1-9 and 11 are pending. The examination results are as following.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-5, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stoeckl (US 5,300,926 admitted by applicant) in view of ROWE (US 2003/0048259).

As to claim 1, Stoeckl discloses in figs. 1 and 8, a dental apparatus which comprises a dental device, a graphic display (display elements, see col. 8, line 37-38) and a user interface (touch screen keyboard 74, fig. 8) connected functionally to one another (see serial interface 73), the user interface (74) being arranged to be used for controlling functions (by soft keys or foil

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keys 61-62, fig. 7see col. 8, lines 20-30) of the dental device, wherein the user interface is a touch screen keyboard (74), and the graphic display (display elements) comprises means for showing symbols (light spots) describing the control functions of the dental device (see col. 8, lines 38-53) and a cursor (see picture screen cursor, see col. 7, lines 62-63), and the dental apparatus further comprises means for moving (see by hand, see col. 8, lines 22-24) and controlling the cursor (picture screen) in response to a touch of a pointer means (start point, see col. 10, lines 3-12) and its movement should be on the a surface of the touch screen keyboard 74, (see when displaying the visual field by a picture screen, to arrange a foil keyboard or a touch screen on the picture screen, see col. 8,lines 20-22). However, Stoeckl does not specifically disclose the user interface is a touchpad which is arranged separately from the graphic display and comprises a contact surface for detecting both press and movement, and the cursor is arranged to be controlled by both pressing on the contact surface of the touch pad and by sliding on it.

ROWE discloses in fig. 1, a computer system (5) comprises a touch pad (20) which is arranged separately from the graphic display (display screen 10) and comprises a contact surface (see touch pad surface 23 that provides an indication of the point on the surface of the touch pad that a user's finger or stylus or the like is touching, fig. 2 [0019]) for detecting both press (touched by finger) and movement (graphic cursor is moved), and the cursor is arranged to be controlled by both pressing on the contact surface of the touch pad and by sliding on it [0023], [0028].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the touch pad which is arranged separately from the graphic display and

comprises a contact surface for detecting both press and movement, and the cursor is arranged to be controlled by both pressing on the contact surface of the touch pad and by sliding on it as taught by ROWE into the dental apparatus of Stoeckl having graphic display elements for producing the claimed invention because this would provide any point on the touch pad will move the graphic cursor in the direction indicated by the direction of the finger is slid [0028].

As to claim 2, Stoeckl discloses the dental apparatus further, wherein the functional connection between the touch screen keyboard and the graphic display is arranged through a computer (see touch screen keyboard control the individual functions of the apparatus by hand, and the visual field can also be provided with soft keys, see col. 8, lines 24-30).

As o claim 3, Stoeckl discloses the dental apparatus further, wherein the touch screen keyboard is arranged to control the computer functionally connected to the dental device (physician's device 2, col. 4, lines 60-66).

As to claim 4, Stoeckl discloses the dental apparatus, wherein the touch screen keyboard (74) is arranged to control the dental device through the computer (see col. 8, lines 22-30).

As to claim 5, Stoeckl discloses a dental apparatus further, wherein the pointer means (start point). However, Stoeckl does not disclose specifically the pointer means is a pointer pen or finger. ROWE discloses in figs. 1-2, a touch pad (20) comprising a pointer is a pen or finger (point in region 30, with a finger or stylus, [0021])

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the pointer means is a finger or pen as taught by ROWE into the apparatus having graphic display of Stoeckl for producing the claimed invention because this

would provide the reference that moves a predefined graphics cursor to a location on the associated display screen that corresponds to the point touched [0021].

As to claim 9, Stockl discloses a dental apparatus, wherein the touch screen keyboard is integrated into the dental device (physician's device 2, col. 4, lines 60-66).

As to claim 11, Stoeckl discloses a dental apparatus, wherein the touch screen keyboard (74) is arranged to form control information (microcontroller 70, fig. 9) for the dental device through the computer (touch screen keyboard, see col. 8, lines 22-30) so that the control information (70) is modified on the basis of the patient information included in the computer (corresponds to microcontroller controls the individual operator elements are connected to the serial interface 73, and controlling a drive motor for adjusting the height of the dental chair, see col. 8, lines 66-68, and col. 9, lines 1-9).

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stoeckl (US 5,300,926 admitted by applicant) in view of ROWE (US 2003/0048259) as applied to claim 1 above, and further in view of FRICKER et al. (US 2001/0013855).

As to claim 6, Stockl and ROWE do not disclose further the touch pad comprises a capacitive or a resistive contact surface. FRICKER et al. disclose in figs. 1-2, a digital system (100) having a touch pad (200) comprising a capacitive sensor 230 and a resistive sensor 210, see fig. 2, see 0045).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the digital system having a touch pad comprising a capacitive sensor and a resistive sensor as taught by FRICKER et al. into the dental apparatus having a graphic display

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of Stoeckl and ROWE for producing the claimed invention because this would provide the capacitive sensor will the presence of a finger, but will not detect the presence of a pen (see Stoekl, see 0052).

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stoeckl (US 5,300,926 admitted by applicant) in view of ROWE (US 2003/0048259) as applied to claim 1 above, and further in view of Lordo (US 5,558,371)

As to claim 8, Stoeckl discloses a dental apparatus, having touch screen keyboard.

ROWE discloses a contact surface. However, Stoeckl and ROWE do not specifically disclose wherein a detachable and disinfectable or disposable film is arranged to be attached to the contact surface.

Lordo discloses in fig. 1, a resuscitator apparatus comprising a detachable and disinfectable and disposable film is attached to the squeeze bag (see col. 12, lines 8-23).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the a detachable and disinfectable or disposable film as taught by Lordo attached to the contact surface of ROWE's system for producing the claimed invention because this would provide a product of low cost and high reliability and also easy to perform by any hospital technician or other health care worker (see col. 12, lines 11-12 and lines 15-16).

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Allowable Subject Matter

7. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The present invention is directed to a dental apparatus which comprises a dental device, a graphic display and a user interface connected functionally to one another, the user interface being arranged to be used for controlling functions of the dental device, wherein the user interface is a touch pad, and the graphic display comprises means for showing symbols describing the control functions of the dental device and a cursor, and the dental apparatus further comprises means for moving and controlling the cursor in response to a touch of a pointer means and its movement on the a surface of the touch pad. The combination of the closest prior art of Stoeckl (US 5,300,926), FRICKER et al. (US 2001/0013855)Smith (6,204,837) and Lordo (US 5,558,371) shown a similar invention, however they fail to teach or suggest that wherein the touch pad is arranged to form control information for the dental device in response to the fact that the contact surface of the touch pad is pressed or something slides on it so that the material layers included in the touch pad touch one another at the a point in question, in which case the a current flow is interrupted in the an electrode network included in the touch pad.

Response to Arguments

8. Applicant's arguments with respect to claims 1-9 and 11 filed 4/20/10 have been considered but are moot in view of the new ground(s) of rejection.

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Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIMNHUNG NGUYEN whose telephone number is (571)272-

7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

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/Kimnhung Nguyen/

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